IN THE UNITED STATES PACKING AND TRADEMARK OFFICE

IN RE APPLICATION OF:

Masahiro SEKIGUCHI.

SERIAL NO:

D: 10/743,741

FILED:

December 24, 2003

FOR:

METHOD FOR QUANTITATIVELY DET

QUANTITATIVE DETERMINATION

GAU:

EXAMINER:

DUCING SUBSTANCE AND A REAGENT FOR

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- □ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number <u>15-0030</u>. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

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Masahiro SEKIGUCHI, et al.

SERIAL NO: 10/743,741

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STATEMENT OF RELEVANCY

All of the references on Form PTO-1449 are discussed in the specification.

LIST OF REFERENCES CIVED BY APPLICANT MAR 2 4 2004 MAR 2	Form PTO 1449		U.S. DEPARTMENT		ATTY DOCKET NO.		SERIAL NO.			
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AL 2000-270895 10/03/2000 JAPAN (with English Abstract) X AM OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) PAGE 14. J. Biochem., vol. 91, no. 4, pages 1163-1171, "METHIONINE BIOSYNTHESIS IN BREVIBACTERIUM FLAVUM: PROPERTIES AND ESSENTIAL ROLE OF O-ACETYLHOMOSERINE SULFHYDRYLASE", 1982 AN FLAVUM: PROPERTIES AND ESSENTIAL ROLE OF O-ACETYLHOMOSERINE SULFHYDRYLASE", 1982 S. YAMAGATA, J. Biochem., vol. 96, no. 5, pages 1511-1523, "O-ACETYLHOMOSERINE SULFHYDRYLASE OF THE FISSION YEAST SCHIZOSACCHAROMYCES POMBE: PARIAL PURIFICATION, CHARACTERIZATION, AND ITS PROBABLE ROLE IN HOMOCYSTEINE BIOSYNTHESIS", 1984 J. BRZYWCZY, et al., Acta Biochimica Polonica, vol. 40, no. 3, "COMPARATIVE STUDIES ON O-ACETYLHOMOSERINE SULFHYDRYLASE: PHYSIOLOGICAL ROLE AND CHARACTERIZATION OF THE ASPERGILLUS NIDULANS ENZYME" 1993 J. N. BURNELL, et al., Biochimica el Biophysica Acta, vol. 481, pages 246-285, "SULPHUR METABOLISM IN PARACOCU DENITRIFICANS PURIFICATION, PROPERTIES AND REQULATION OF SERINE TRANSACETULASE, O-ACETYLSEHINE SULPHYDRYLASE AND P-CYSTATHIONASE" 1975 T. NAGASAWA, et al., Methods Enzymol, vol. 143, pages 474-479, "O-ACETYLSERINE SULFHYDRYLASE FROM BACILLUS SPHAERICUS", 1987 AS M. DROUX, et al., Archives of Biochemistry and Biophysics, vol. 295, no. 2, pages 379-390, "PURIFICATION AND CHARACTERIZATION OF O-ACETYLSERINE (THIOL) LYASE FROM SPINACH CHLOROPLASTS" June 1992 AT CYSTEINE SYNTHASE ISOZYMES FROM SPINACH LEAVES" 1995 H. R. HENDRICKSON, et al., Method in Engymology, vol. 178, pages 233-239, "B-CYANOALANINE SYNTHASE (BLUE LYASE FROM THE YOLK SAC OF CHICKEN EMBRYOS", 1966 (with partial English translation) Examiner		_		06/20/2000	JAPAN (with English Abstract)				Х	
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) AN H. OZAKI, et al., J. Biochem., vol. 91, no. 4, pages 1163-1171, "METHIONINE BIOSYNTHESIS IN BREVIBACTERIUM FLAVUM: PROPERTIES AND ESSENTIAL ROLE OF O-ACETYLHOMOSERINE SULFHYDRYLASE", 1982 AO S. YAMAGATA, J. Biochem., vol. 96, no. 5, pages 1511-1523, "O-ACETYLHOMOSERINE SULFHYDRYLASE OF THE FISSION YEAST SCHIZOSACCHAROMYCES POMBE: PARIAL PURIFICATION, CHARACTERIZATION, AND ITS PROBABLE ROLE IN HOMOCYSTEINE BIOSYNTHESIS", 1984 J. BRZYWCZY, et al., Acta Biochimica Polonica, vol. 40, no. 3, "COMPARATIVE STUDIES ON O-ACETYLHOMOSERINE SULFHYDRYLASE: PHYSIOLOGICAL ROLE AND CHARACTERIZATION OF THE ASPERGILLUS NIDULANS ENZYME" 1993 J. N. BURNELL, et al., Biochimica el Biophysica Acta, vol. 481, pages 246-265, "SULPHUR METABOLISM IN PARACOCU DENITRIFICANS PURIFICATION, PROPERTIES AND REGULATION OF SERINE TRANSACETULASE, O-ACETYLSEHINE SULPHYDRYLASE AND P-CYSTATHIONASE" 1977 T. NAGASAWA, et al., Methods Enzymol, vol. 143, pages 474-479, "O-ACETYLSERINE SULFHYDRYLASE FROM BACILLUS SPHAERICUS", 1987 AS CHARACTERIZATION OF O-ACETYLSERINE (THIOL) LYASE FROM SPINACH CHLOROPLASTS" June 1992 T. YAMAGUCHI, et al., BBA Biochimica et Biophysica Acta, vol. 1251, pages 91-98, "COMPARATIVE STUDIES ON CYSTEINE SYNTHASE ISOZYMES FROM SPINACH LEAVES" 1995 AU H. R. HENDRICKSON, et al., Method in Engymology, vol. 178, pages 233-239, "p-CYANOALANINE SYNTHASE (BLUE LUPINE)" TOLOSA, et al., Biochimiya, vol. 31, pages 98-107, "PURIFICATION AND CATALYTIC PROPERTIES OF CYSTEINE LYASE FROM THE YOLK SAC OF CHICKEN EMBRYOS", 1966 (with partial English translation)					<u> </u>				Х	
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) AN H. OZAKI, et al., J. Blochem., vol. 91, no. 4, pages 1163-1171, "METHIONINE BIOSYNTHESIS IN BREVIBACTERIUM FLAVUM: PROPERTIES AND ESSENTIAL ROLE OF O-ACETYLHOMOSERINE SULFHYDRYLASE", 1982 S. YAMAGATA, J. Blochem., vol. 96, no. 5, pages 1511-1523, "O-ACETYLHOMOSERINE SULFHYDRYLASE OF THE FISSION YEAST SCHIZOSACCHAROMYCES POMBE: PARIAL PURIFICATION, CHARACTERIZATION, AND ITS PROBABLE ROLE IN HOMOCYSTEINE BIOSYNTHESIS", 1984 AP H. J. BRZYWCZY, et al., Acta Blochimica Polonica, vol. 40, no. 3, "COMPARATIVE STUDIES ON O-ACETYLHOMOSERINE SULFHYDRYLASE: PHYSIOLOGICAL ROLE AND CHARACTERIZATION OF THE ASPERGILLUS NIDULANS ENZYME" 1993 AD DENITRIFICANS PURIFICATION, PROPERTIES AND REGULATION OF SERINE TRANSACETULASE, O-ACETYLSEHINE SULPHYDRYLASE AND β-CYSTATHIONASE" 1977 AR BACILLUS SPHAERICUS", 1987 AS M. DROUX, et al., Methods Enzymol, vol. 143, pages 474-479, "O-ACETYLSERINE SULFHYDRYLASE FROM BACILLUS SPHAERICUS", 1987 AS M. DROUX, et al., Archives of Biochemistry and Biophysics, vol. 295, no. 2, pages 379-390, "PURIFICATION AND CHARACTERIZATION OF C-ACETYLSERINE (THIOL) LYASE FROM SPINACH CHLOROPLASTS" June 1992 T. YAMAGUCHI, et al., BBA Biochimica et Biophysica Acta, vol. 1251, pages 91-98, "COMPARATIVE STUDIES ON CYSTEINE SYNTHASE ISOZYMES FROM SPINACH LEAVES" 1995 AU H. R. HENDRICKSON, et al., Method in Engymology, vol. 17B, pages 233-239, "β-CYANOALANINE SYNTHASE' (BLUE LUPINE)" TOLOSA, et al., Biochimiya, vol. 31, pages 98-107, "PURIFICATION AND CATALYTIC PROPERTIES OF CYSTEINE LYASE FROM THE YOLK SAC OF CHICKEN EMBRYOS", 1966 (with partial English translation)		-	2000-21-0000	10/00/2000						
AN FLAVUM: PROPERTIES AND ESSENTIAL ROLE OF O-ACETYLHOMOSERINE SULFHYDRYLASE", 1982 S. YAMAGATA, J. Biochem., vol. 96, no. 5, pages 1511-1523, "O-ACETYLHOMOSERINE SULFHYDRYLASE OF THE FISSION YEAST SCHIZOSACCHAROMYCES POMBE: PARIAL PURIFICATION, CHARACTERIZATION, AND ITS PROBABLE ROLE IN HOMOCYSTEINE BIOSYNTHESIS", 1984 J. BRZYWCZY, et al., Acta Biochimica Polonica, vol. 40, no. 3, "COMPARATIVE STUDIES ON O-ACETYLHOMOSERINE SULFHYDRYLASE: PHYSIOLOGICAL ROLE AND CHARACTERIZATION OF THE ASPERGILLUS NIDULANS ENZYME" 1993 J. N. BURNELL, et al., Biochimica el Biophysica Acta, vol. 481, pages 246-265, "SULPHUR METABOLISM IN PARACOCU DENITRIFICANS PURIFICATION, PROPERTIES AND REGULATION OF SERINE TRANSACETULASE, O-ACETYLSEHINE SULPHYDRYLASE AND \$\theta\$-CYSTATHIONASE" 1977 T. NAGASAWA, et al., Methods Enzymol, vol. 143, pages 474-479, "O-ACETYLSERINE SULFHYDRYLASE FROM BACILLUS SPHAERICUS", 1987 M. DROUX, et al., Archives of Biochemistry and Biophysics, vol. 295, no. 2, pages 379-390, "PURIFICATION AND CHARACTERIZATION OF O-ACETYLSERINE (THIOL.) LYASE FROM SPINACH CHLOROPLASTS" June 1992 T. YAMAGUCHI, et al., BBA Biochimica et Biophysica Acta, vol. 1251, pages 91-98, "COMPARATIVE STUDIES ON CYSTEINE SYNTHASE ISOZYMES FROM SPINACH LEAVES" 1995 H. R. HENDRICKSON, et al., Method in Engymology, vol. 17B, pages 233-239, "\$\therefore CYANOALANINE SYNTHASE" (BLUE LUPINE)" TOLOSA, et al., Biochimiya, vol. 31, pages 98-107, "PURIFICATION AND CATALYTIC PROPERTIES OF CYSTEINE LYASE FROM THE YOLK SAC OF CHICKEN EMBRYOS", 1966 (with partial English translation) Date Considered		1 ~w	OTUED D	FEEDENCES	Unallydian Author Title Date Portin	ent Pages	etc)			
AN FLAVUM: PROPERTIES AND ESSENTIAL ROLE OF O-AGETYLHOMOSERINE SULFHYDRYLASE, 1992 S. YAMAGATA, J. Biochem., vol. 96, no. 5, pages 1511-1523, "O-ACETYLHOMOSERINE SULFHYDRYLASE OF THE FISSION YEAST SCHIZOSACCHAROMYCES POMBE: PARIAL PURIFICATION, CHARACTERIZATION, AND ITS PROBABLE ROLE IN HOMOCYSTEINE BIOSYNTHESIS", 1984 J. BRZYWCZY, et al., Acta Biochimica Polonica, vol. 40, no. 3, "COMPARATIVE STUDIES ON O-ACETYLHOMOSERINE SULFHYDRYLASE: PHYSIOLOGICAL ROLE AND CHARACTERIZATION OF THE ASPERGILLUS NIDULANS ENZYME" 1993 J. N. BURNELL, et al., Biochimica el Biophysica Acta, vol. 481, pages 246-265, "SULPHUR METABOLISM IN PARACOCU DENITRIFICANS PURIFICATION, PROPERTIES AND REGULATION OF SERINE TRANSACETULASE, O-ACETYLSEHINE SULPHYDRYLASE AND β-CYSTATHIONASE" 1977 T. NAGASAWA, et al., Methods Enzymol, vol. 143, pages 474-479, "O-ACETYLSERINE SULFHYDRYLASE FROM BACILLUS SPHAERICUS", 1987 M. DROUX, et al., Archives of Biochemistry and Biophysics, vol. 295, no. 2, pages 379-390, "PURIFICATION AND CHARACTERIZATION OF O-ACETYLSERINE (THIOL) LYASE FROM SPINACH CHLOROPLASTS" June 1992 T. YAMAGUCH, et al., BBA Biochimica et Biophysica Acta, vol. 1251, pages 91-98, "COMPARATIVE STUDIES ON CYSTEINE SYNTHASE ISOZYMES FROM SPINACH LEAVES" 1995 H. R. HENDRICKSON, et al., Method in Engymology, vol. 17B, pages 233-239, "β-CYANOALANINE SYNTHASE1 (BLUE LUPINE)" TOLOSA, et al., Biochimiya, vol. 31, pages 98-107, "PURIFICATION AND CATALYTIC PROPERTIES OF CYSTEINE LYASE FROM THE YOLK SAC OF CHICKEN EMBRYOS", 1966 (with partial English translation) Date Considered								I BREVI	BACTERIUM	
FISSION YEAST SCHIZOSACCHAROMYCES POMBE: PARIAL PURIFICATION, CHARACTERIZATION, AND TIS PROBABLE ROLE IN HOMOCYSTEINE BIOSYNTHESIS", 1984 AP J. BRZYWCZY, et al., Acta Biochimica Polonica, vol. 40, no. 3, "COMPARATIVE STUDIES ON O-ACETYLHOMOSERINE SULFHYDRYLASE: PHYSIOLOGICAL ROLE AND CHARACTERIZATION OF THE ASPERGILLUS NIDULANS ENZYME" 1993 J. N. BURNELL, et al., Biochimica el Biophysica Acta, vol. 481, pages 246-265, "SULPHUR METABOLISM IN PARACOCU DENITRIFICANS PURIFICATION, PROPERTIES AND REGULATION OF SERINE TRANSACETULASE, O-ACETYLSEHINE SULPHYDRYLASE AND β-CYSTATHIONASE" 1977 T. NAGASAWA, et al., Methods Enzymol, vol. 143, pages 474-479, "O-ACETYLSERINE SULFHYDRYLASE FROM BACILLUS SPHAERICUS", 1987 M. DROUX, et al., Archives of Biochemistry and Biophysics, vol. 295, no. 2, pages 379-390, "PURIFICATION AND CHARACTERIZATION OF O-ACETYLSERINE (THIOL.) LYASE FROM SPINACH CHLOROPLASTS" June 1992 T. YAMAGUCHI, et al., BBA Biochimica et Biophysica Acta, vol. 1251, pages 91-98, "COMPARATIVE STUDIES ON CYSTEINE SYNTHASE ISOZYMES FROM SPINACH LEAVES" 1995 H. R. HENDRICKSON, et al., Method in Engymology, vol. 17B, pages 233-239, "β-CYANOALANINE SYNTHASE I GLUE LUPINE)" TOLOSA, et al., Biochimiya, vol. 31, pages 98-107, "PURIFICATION AND CATALYTIC PROPERTIES OF CYSTEINE LYASE FROM THE YOLK SAC OF CHICKEN EMBRYOS", 1966 (with partial English translation)		AN	FLAVUM: PROPERTIES AND ESSENTIAL ROLE OF O-ACETYLHOMOSERINE SULFHYDRYLASE, 1962							
AP SULFHYDRYLASE: PHYSIOLOGICAL ROLE AND CHARACTERIZATION OF THE ASPERGILLUS NIDULANS ENZTHE 1993 J. N. BURNELL, et al., Biochimica el Biophysica Acta, vol. 481, pages 246-265, "SULPHUR METABOLISM IN PARACOCU DENITRIFICANS PURIFICATION, PROPERTIES AND REGULATION OF SERINE TRANSACETULASE, O- ACETYLSEHINE SULPHYDRYLASE AND β-CYSTATHIONASE" 1977 T. NAGASAWA, et al., Methods Enzymol, vol. 143, pages 474-479, "O-ACETYLSERINE SULFHYDRYLASE FROM BACILLUS SPHAERICUS", 1987 M. DROUX, et al., Archives of Biochemistry and Biophysics, vol. 295, no. 2, pages 379-390, "PURIFICATION AND CHARACTERIZATION OF O-ACETYLSERINE (THIOL) LYASE FROM SPINACH CHLOROPLASTS" June 1992 T. YAMAGUCHI, et al., BBA Biochimica et Biophysica Acta, vol. 1251, pages 91-98, "COMPARATIVE STUDIES ON CYSTEINE SYNTHASE ISOZYMES FROM SPINACH LEAVES" 1995 H. R. HENDRICKSON, et al., Method in Engymology, vol. 17B, pages 233-239, "β-CYANOALANINE SYNTHASE¹ (BLUE LUPINE)" TOLOSA, et al., Biochimiya, vol. 31, pages 98-107, "PURIFICATION AND CATALYTIC PROPERTIES OF CYSTEINE LYASE FROM THE YOLK SAC OF CHICKEN EMBRYOS", 1966 (with partial English translation) Date Considered		АО	PROBABLE ROLE IN HOMOCYSTEINE BIOSYNTHESIS", 1984							
DENITRIFICANS PURIFICATION, PROPERTIES AND REGULATION OF SERINE TRANSACETULASE, U-ACETYLSEHINE SULPHYDRYLASE AND β-CYSTATHIONASE" 1977 T. NAGASAWA, et al., Methods Enzymol, vol. 143, pages 474-479, "O-ACETYLSERINE SULFHYDRYLASE FROM BACILLUS SPHAERICUS", 1987 M. DROUX, et al., Archives of Biochemistry and Biophysics, vol. 295, no. 2, pages 379-390, "PURIFICATION AND CHARACTERIZATION OF O-ACETYLSERINE (THIOL) LYASE FROM SPINACH CHLOROPLASTS" June 1992 T. YAMAGUCHI, et al., BBA Biochimica et Biophysica Acta, vol. 1251, pages 91-98, "COMPARATIVE STUDIES ON CYSTEINE SYNTHASE ISOZYMES FROM SPINACH LEAVES" 1995 H. R. HENDRICKSON, et al., Method in Engymology, vol. 17B, pages 233-239, "β-CYANOALANINE SYNTHASE" (BLUE LUPINE)" TOLOSA, et al., Biochimiya, vol. 31, pages 98-107, "PURIFICATION AND CATALYTIC PROPERTIES OF CYSTEINE LYASE FROM THE YOLK SAC OF CHICKEN EMBRYOS", 1966 (with partial English translation)		AP	SULFHYDRYLASE: PHYSIOLOGICAL ROLE AND CHARACTERIZATION OF THE ASPERGILLUS NIDULANS ENZIME							
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